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Transition

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QUESTION 1

You have a Microsoft SQL Server Always On availability group on Azure virtual machines. You need to configure an Azure internal load balancer as a listener for the availability group. What should you do?

- A. Enable Floating IP.
- B. Set Session persistence to Client IP and protocol.
- C. Set Session persistence to Client IP.
- D. Create an HTTP health probe on port 1433.

Answer: A

Explanation:

Incorrect Answers:

D: The Health probe is created with the TCP protocol, not with the HTTP protocol.

References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sql/virtual-machines-windows-portal-sql-alwayson-int-listener>

QUESTION 2

You have an on-premises network that contains a Hyper-V host named Host1. Host1 runs Windows Server 2016 and hosts 10 virtual machines that run Windows Server 2016. You plan to replicate the virtual machines to Azure by using Azure Site Recovery. You create a Recovery Services vault named ASR1 and a Hyper-V site named Site1. You need to add Host1 to ASR1. What should you do?

- A. Download the installation file for the Azure Site Recovery Provider.
Download the vault registration key.
Install the Azure Site Recovery Provider on Host1 and register the server.
- B. Download the installation file for the Azure Site Recovery Provider.
Download the storage account key.
Install the Azure Site Recovery Provider on Host1 and register the server.
- C. Download the installation file for the Azure Site Recovery Provider.
Download the vault registration key.
Install the Azure Site Recovery Provider on each virtual machine and register the virtual machines.
- D. Download the installation file for the Azure Site Recovery Provider.
Download the storage account key.
Install the Azure Site Recovery Provider on each virtual machine and register the virtual machines.

Answer: A

Explanation:

Download the Vault registration key. You need this when you install the Provider. The key is valid for five days after you generate it.

Install the Provider on each VMM server. You don't need to explicitly install anything on Hyper-V hosts.

Incorrect Answers:

B, D: Use the Vault Registration Key, not the storage account key.

References:

<https://docs.microsoft.com/en-us/azure/site-recovery/migrate-tutorial-on-premises-azure>

QUESTION 3

You plan to move services from your on-premises network to Azure. You identify several virtual machines that you believe can be hosted in Azure.

The virtual machines are shown in the following table.

Name	Role	Operating system (OS)	Environment
Sea-DC01	Domain controller	Windows Server 2016	Hyper-V on Windows Server 2016
NYC-FS01	File server	Windows Server 2012 R2	VMware vCenter Server 5.1
BOS-DB01	Microsoft SQL server	Windows Server 2016	VMware vCenter Server 6
Sea-CA01	Certification authority (CA)	Windows Server 2012 R2	Hyper-V on Windows Server 2016
Hou-NW01	DHCP/DNS	Windows Server 2008 R2	VMware vCenter Server 5.5

Which two virtual machines can you access by using Azure migrate? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Sea-CA01
- B. Hou-NW01
- C. NYC-FS01
- D. Sea-DC01
- E. BOS-DB01

Answer: CE

QUESTION 4

You have an Azure subscription that contains a virtual network named VNet1. VNet 1 has two subnets named Subnet1 and Subnet2.

VNet1 is in the West Europe Azure region. The subscription contains the virtual machines in the following table.

Name	Connected to
VM1	Subnet1
VM2	Subnet1
VM3	Subnet2

You need to deploy an application gateway named AppGW1 to VNet1. What should you do first?

- A. Add a service endpoint.
- B. Add a virtual network.
- C. Move VM3 to Subnet1.
- D. Stop VM1 and VM2.

Answer: D

Explanation:

If you have an existing virtual network, either select an existing empty subnet or create a new subnet in your existing virtual network solely for use by the application gateway. Verify that you

have a working virtual network with a valid subnet. Make sure that no virtual machines or cloud deployments are using the subnet. The application gateway must be by itself in a virtual network subnet.

QUESTION 5

You have an Azure virtual network named VNet1 that contains a subnet named Subnet1. Subnet1 contains three Azure virtual machines. Each virtual machine has a public IP address. The virtual machines host several applications that are accessible over port 443 to user on the Internet.

Your on-premises network has a site-to-site VPN connection to VNet1.

You discover that the virtual machines can be accessed by using the Remote Desktop Protocol (RDP) from the Internet and from the on-premises network.

You need to prevent RDP access to the virtual machines from the Internet, unless the RDP connection is established from the on-premises network.

The solution must ensure that all the applications can still be accesses by the Internet users. What should you do?

- A. Modify the address space of the local network gateway.
- B. Remove the public IP addresses from the virtual machines.
- C. Modify the address space of Subnet1.
- D. Create a deny rule in a network security group (NSG) that is linked to Subnet1.

Answer: D

Explanation:

You can filter network traffic to and from Azure resources in an Azure virtual network with a network security group.

A network security group contains security rules that allow or deny inbound network traffic to, or outbound network traffic from, several types of Azure resources.

References:

<https://docs.microsoft.com/en-us/azure/virtual-network/security-overview>

QUESTION 6

You have a public load balancer that balancer ports 80 and 443 across three virtual machines.

You need to direct all the Remote Desktop protocol (RDP) to VM3 only.

What should you configure?

- A. an inbound NAT rule
- B. a load public balancing rule
- C. a new public load balancer for VM3
- D. a new IP configuration

Answer: A

Explanation:

To port forward traffic to a specific port on specific VMs use an inbound network address translation (NAT) rule.

Incorrect Answers:

B: Load-balancing rule to distribute traffic that arrives at frontend to backend pool instances.

References:

<https://docs.microsoft.com/en-us/azure/load-balancer/load-balancer-overview>

QUESTION 7

You have an azure subscription that contain a virtual named VNet1. VNet1. contains four subnets

named Gateway, perimeter, NVA, and production.

The NVA contain two network virtual appliance (NVAs) that will network traffic inspection between the perimeter subnet and the production subnet.

You need to implement an Azure load balancer for the NVAs. The solution must meet the following requirements:

The NVAs must run in an active-active configuration that uses automatic failover.

The NVA must load balance traffic to two services on the Production subnet. The services have different IP addresses

Which three actions should you perform? Each correct answer presents parts of the solution.

NOTE: Each correct selection is worth one point.

- A. Add two load balancing rules that have HA Ports enabled and Floating IP disabled.
- B. Deploy a standard load balancer.
- C. Add a frontend IP configuration, two backend pools, and a health probe.
- D. Add a frontend IP configuration, a backend pool, and a health probe.
- E. Add two load balancing rules that have HA Ports and Floating IP enabled.
- F. Deploy a basic load balancer.

Answer: BCE

Explanation:

A standard load balancer is required for the HA ports. -Two backend pools are needed as there are two services with different IP addresses. -Floating IP rule is used where backend ports are reused.

Incorrect Answers:

F: HA Ports are not available for the basic load balancer.

References:

<https://docs.microsoft.com/en-us/azure/load-balancer/load-balancer-standard-overview>

<https://docs.microsoft.com/en-us/azure/load-balancer/load-balancer-multivip-overview>

QUESTION 8

You have five Azure virtual machines that run Windows Server 2016.

You have an Azure load balancer named LB1 that provides load balancing se

You need to ensure that visitors are serviced by the same web server for each request.

What should you configure?

- A. Floating IP (direct server return) to Disable
- B. Session persistence to Client IP
- C. a health probe
- D. Session persistence to None

Answer: B

Explanation:

You can set the sticky session in load balancer rules with setting the session persistence as the client IP.

References:

<https://cloudopszone.com/configure-azure-load-balancer-for-sticky-sessions/>

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